

POLYMERIC BORONIC ACID DERIVATIVES AS LIPASE INHIBITORS

ABSTRACT OF THE DISCLOSURE

5 Human obesity is a health problem affecting a significant proportion of the American population. Numerous methods of treating obesity have been developed, but all have serious drawbacks. The present invention discloses a novel class of polymers with either a sulfur atom or an electron withdrawing group between a polymer backbone and a pendant aryl boronic acid group. Polymers having such an
10 electron withdrawing group have been found to be particularly effective in inhibiting lipase *in vitro* and *in vivo*. Methods of treating obesity and reducing absorption of fat are also disclosed.

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